

Attorney Docket No. P12889-US2
Customer Number 27045

REMARKS/ARGUMENTS

1.) Claim Amendments

The Applicants have amended claims 16, 21, 26 and 28 and have added new claims 29-40. Support for new claims 29-40 can be found in Figure 3 and on page 8, lines 23-33 and page 9, lines 1-10 of the application. Accordingly, claims 16-40 are pending in the application. Favorable reconsideration of the application is respectfully requested in view of the foregoing amendments and newly added claims and the following remarks.

2.) Claim Rejections – 35 U.S.C. § 102(e)

The Examiner rejected claims 16-28 under 35 U.S.C. § 102(e) as being anticipated by U.S. Patent No. 6,131,013 to Bergstrom et al. ("Bergstrom"). Bergstrom discloses a communication system having a receiver that is capable of performing targeted interference suppression. Applicant respectfully submits that Bergstrom fails to teach, suggest, or anticipate at least one of the distinguishing features of independent claim 16, namely, an interference classifier adapted to classify a type of interference affecting communications quality by evaluating the time-domain behavior of at least one of an automatic gain control (AGC) signal, a transmission power control (TPC) command signal, and a signal representing a strength of a wireless communications signal.

Bergstrom is directed to a method and apparatus for performing targeted interference suppression. In Bergstrom, a receiver that is capable of performing targeted interference suppression utilizes an interference classifier to analyze a signal received from a channel and to identify and classify interference components within the signal. An interference suppressor suppresses the interference components in the signal based upon an interference type. The interference suppressor may include a plurality of interference-suppression modules for suppressing certain interference types. A hybrid interference mitigation system may also be used. The hybrid interference mitigation system combines targeted interference suppression, frequency-hopping adaptation, and processing gain adaptation.

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Nevertheless, the Applicants have amended claims 16, 21, 26 and 28 to better distinguish the claimed invention from Bergstrom. Specifically, the reference to the interference estimate signal has been deleted from these claims. Applicant respectfully submits that independent claim 16 distinguishes over Bergstrom and is in condition for allowance. Withdrawal of the rejection of independent claim 16 as anticipated by Bergstrom is respectfully requested. Claims 17-20 depend from amended claim 16 and recite further limitations in combination with the novel elements of claim 16. Claims 22-24 depend from amended claim 21 and recite further limitations in combination with the novel elements of claim 21. Claim 26 depends from amended claim 25 and recites further limitations in combination with the novel elements of claim 25. Claim 28 depends from amended claim 27 and recites further limitations in combination with the novel elements of claim 27. The allowance of claims 16-28 is respectfully requested.

CONCLUSION

In view of the foregoing remarks, the Applicants believe all of the claims currently pending in the Application to be in a condition for allowance. The Applicants, therefore, respectfully request that the Examiner withdraw all rejections and issue a Notice of Allowance for claims 16-40.

The Applicants request a telephonic interview if the Examiner has any questions or requires any additional information that would further or expedite the prosecution of the Application.

Respectfully submitted,

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